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ABSTRACT

In addition to outlining the 100 online services available to students, this guide provides basic information about electronic databases and instructions for conducting searches. After an introduction to the various types of searches possible and the costs of searches, the guide describes how to choose an appropriate database. The basics of searching are outlined, including four steps in establishing a search strategy and a chart listing commands. Recommendations for selecting and fine-tuning subject search terms are provided and choosing connectors to link concepts, writing out a search strategy, and using non-subject search terms are discussed. Instructions for doing the search describe how set numbers can be used and how to print the results. Appendixes, which comprise the bulk of the document, present: six sample searches on BRS/AfterDark and Knowledge Index (DIALOG); a list of 31 databases grouped by subject area (i.e., business, education, humanities, life sciences, medicine, news, reference, science and technology, and social sciences); summaries of search commands; and seven sources for further reading. (SD)

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DIAL-UP SERVICE MANUAL

User's Guide and Technical Reference

IR053052

University of Houston Libraries
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DIAL-UP SERVICE MANUAL

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WHAT IS IT?

The computers in the Electronic Publications Center allow you to access over 100 electronic databases. Most of the databases contain references to journal articles and other research materials in a subject area. You may search some databases in the Electronic Publications Center by using CD-ROM and others by using the Dial-up service.

CD-ROM searching is menu-driven (instructions appear on the screen), and connect time is free, although there is a 7-cents-per-page charge for printing. Successful CD-ROM searching is possible with very little or no advance preparation.

Dial-up searching is command-driven (you need to know the commands beforehand), and connect-time cost is $1 per minute. It is necessary to prepare a search strategy before you connect to the system. Studying this manual will greatly enhance your chances of a successful and cost-effective search.

There are two commercial systems available through the Dial-up service: **BRS/After Dark** and **Knowledge Index**. The two systems offer different selections of databases and use different commands, but the intellectual process of planning a search strategy will be the same for either system.

HOW TO USE THIS GUIDE

The key to successful database searching is thinking through and writing out a search strategy before sitting down at the computer. Use one of the worksheets found in the back of this manual to write out your search strategy as you read this guide.

This guide will help you:

1. Choose an appropriate database to search.
2. Understand Knowledge Index and BRS/After Dark system commands.
3. Choose appropriate search terms to describe your topic.

BEFORE YOU BEGIN

The staff at the Reference/Information Desk, 1st Floor Red Wing, can save you time and money by discussing your topic with you before you begin. There is also an Assistant at the Electronic Publications Center to help you with the mechanics of using the computer and the system commands.

A Dial-up search costs $1.00 for each minute (or portion of a minute) of computer time. To pay for a Dial-up search you must purchase a payment card at the Circulation Desk prior to searching. Payment cards may be purchased for any whole-dollar amount with cash (exact amount only) or with a check. An average search costs approximately $15.00; the actual cost will depend on your topic, your advanced preparation, your searching skills, and the amount of information you want.

CHOOSING AN APPROPRIATE DATABASE

Look at the database descriptions in Appendix B and choose one or more databases that seem appropriate for your topic.

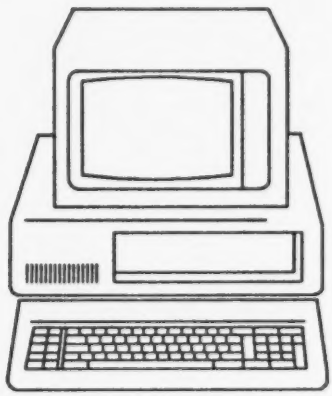
Since there is no charge for searching the CD-ROM databases, look to see if we have one for your subject area first. If we do not, then choose a database from the Dial-up service. Depending on your topic, you may want to use both services in order to search in several databases.

Notice that some databases are available both through BRS After/Dark and through Knowledge Index. You may choose either system.

Consult with the staff at the Reference/Information desk when selecting a database. Not all questions can be answered using an online database, and computer searching is not always the fastest way to answer research questions. The staff at the Reference/Information Desk can help determine if a computer search is appropriate and may suggest alternative sources.

ADDITIONAL DATABASE INFORMATION

Detailed information sheets about each database are available at the Reference/Information Desk. The information sheets show sample records from the database and list all of the searchable fields in the records.



SEARCH STEPS

There are four basic steps you will follow in doing a database search:

1. Tell the system which database you want to search.

2. Tell the system which search terms to look for in the database. It will respond by telling you how many references it finds that contain the search terms. If there are too many or too few references, try a different combination of search terms.

3. Once you have identified a relevant set of references, tell the system to print the references.

4. Disconnect from the system.

COMMAND SUMMARY

The following chart is an abbreviated list of commands. See the command summaries in Appendix C for a more detailed list of system commands. See the sample searches in Appendix A for examples of how these commands are used. The staff at the Reference/Information Desk and the Electronic Publications Center Assistant will also help you with system commands.

BRS/After Dark	Knowledge Index	Command Function
C or CHANGE	B or BEGIN	Choose which database to search. You will specify a database label.
S or SEARCH	F or FIND	Tell the system which search terms to look for. System will respond by telling you how many references it finds containing the search terms.
PC or PRINT	T or TYPE	Display the references that the system has found.
O or OFF	LOGOFF	Disconnect from the system.

CHOOSING SUBJECT SEARCH TERMS

Planning a search strategy is essential to successful database searching. Blank worksheets are provided in the back of this guide for you to plan your search strategy. This section will help you with one of the most important parts of database searching--selecting appropriate search terms.

STATING YOUR TOPIC

Write down what you want to know. Examples:

Do salary increases affect employee productivity?
Coffee consumption and cancer.
Superconductor research on magnetic levitation in vehicles.

IDENTIFYING THE CONCEPTS IN YOUR TOPIC

Look at your statement or question and identify the major concepts.

Do salary increases affect employee productivity?

Coffee consumption and cancer.

Superconductor research on magnetic levitation in vehicles.

If you find that you have four or more concepts, discuss your topic with the staff at the Reference/Information Desk.

CHOOSING SEARCH TERMS FOR EACH CONCEPT

List synonyms or other acceptable words for each concept. Some concepts will have many alternative words or phrases; others can be described using only one term. List the singular and plural forms of words separately. Examples:

CONCEPT 1	CONCEPT 2	CONCEPT 3
superconductors	magnetic levitation	vehicles
superconductor	maglev	vehicle
superconducting		transportation
superconductivity		

Some databases have a thesaurus available to help you choose search terms. The location of the thesaurus will be noted in the database description in Appendix B.

FINE-TUNING YOUR SEARCH TERMS

TRUNCATION

Are there several terms that begin with the same stem? For example, **superconductors, superconductor, superconducting,** and **superconductivity** all begin with the stem **superconduct**. You may specify that you want any word beginning with that stem by truncating. In BRS/After Dark, truncation is indicated by typing a "$" at the end of the stem; in Knowledge Index a "?" is used.

In BRS/After Dark, type: **superconduct$**
vehicle$

In Knowledge Index, type: **superconduct?**
vehicle?

LIMITING TERMS TO A SPECIFIC FIELD

Is there a fairly common term in your list that may result in too many references? Unless you tell it otherwise, the computer will look for the search terms in the title field, the abstract field, the subject descriptor field, and perhaps other parts of references.

You may specify that the term must appear in the title or the descriptor (or some other specific portion of the citation). This is known as **field qualification**.

Field qualification is done by attaching a two-letter code to the end of the term. The codes are logical (**ti** for title, **de** for descriptor, **ab** for abstract, etc.) and are listed on the database information sheets, available at the Reference/Information Desk.

For example, you can limit the search term **vehicle** to only the title and descriptor fields. The abstract field will not be searched.

In BRS/After Dark, type : **vehicle$.ti,de.**

In Knowledge Index, type: **vehicle?/ti,de**

WORD PROXIMITY

Are there terms that consist of two words that need to be near each other, but not necessarily side by side or in a specific order? For example, **consumption of coffee** works just as well as **coffee consumption**. **Share of the market** would be just as helpful as **market share**.

BRS/After Dark lets you specify that two words must be in the same sentence, in any order, by typing the word **with** between the two words. For example, **coffee with consumption** or **market with share.**

Knowledge Index does not allow you to specify word proximity. If you have a phrase that may be expressed several ways, connect the key words with the **AND** connector as described in the next section. For example, **coffee and consumption** or **market and share.**

CHOOSING CONNECTORS TO LINK CONCEPTS

Use the connector **OR** to link synonyms and similar terms. For example:

vehicle or transportation

caffeine or coffee

Use the connector **AND** to link different concepts. For example:

coffee and cancer

(vehicle or transportation) and magnetic levitation

Notice that the terms being connected with OR are surrounded by parentheses if there are other connectors in the same line.

WRITING OUT YOUR SEARCH STRATEGY

Using one of the worksheets found in the back of this manual, write down a final plan of action--your search strategy.

The first sample search in Appendix A includes a completed worksheet to illustrate how the strategy was constructed.

Refer to the command summaries found in Appendix C for appropriate system commands.

USING NON-SUBJECT SEARCH TERMS: AUTHORS, LANGUAGE, YEARS, SOURCE, ETC.

Some of the sample searches in Appendix A illustrate techniques for searching non-subject aspects such as authors, language, publication years, and journal names. The database information sheets available at the Reference/Information Desk will give more detail about the searching possibilities for each database.

DOING THE SEARCH

Actually doing the database search is the easiest part if you have prepared a strategy ahead of time. The sample searches on the following pages illustrate typical search techniques on both the BRS/After Dark and the Knowledge Index systems.

SET NUMBERS

Notice in the sample searches (Appendix A) that results of search questions are assigned set numbers. Set numbers can be used as search terms in subsequent search questions--it is not necessary to retype the words.

PRINTING YOUR SEARCH RESULTS

Notice how the print commands are used in the sample searches. You must specify a set number, a print format, and a range of references to be printed from the set. For each database, the print format definitions will be on the database information pages available at the Reference/Information Desk.

The print format names have different meanings in BRS/After Dark and in Knowledge Index. The following chart summarizes the typical formats in each system.

BRS FORMAT	KI FORMAT	TYPICAL FIELDS INCLUDED
TITLE	SHORT	Titles only. This format does not give enough information to identify the reference. Good for previewing references to check for relevance.
SHORT	MEDIUM	Author, title and source. This format gives enough information to identify references. It prints out quickly.
MEDIUM	(none)	Author, title, source, & descriptors. This format gives enough information to identify references and may suggest alternate terms to search.
LONG	LONG	Complete information: author, title, source, abstract, and descriptors. This format takes longest to print.

SAMPLE SEARCH STRATEGY

SEARCH STRATEGY WORKSHEET

SEARCH TOPIC Superconductor research on magnetic levitation in vehicles

RELEVENT DATABASES ENGI1 (Knowledge Index)

MAJOR CONCEPTS *

	concept 1	concept 2	concept 3
SEARCH TERMS	superconductors	magnetic levitation	vehicles
	superconductor	maglev	vehicle
	superconducting		transportation
	superconductivity		

SEARCH SETS

1 find superconduct?

2 find maglev or magnetic levitation

3 find vehicle? or transportation

4 find S1 and S2 and S3

5

SAMPLE SUBJECT SEARCH ON KNOWLEDGE INDEX

The commands you type in are shown in italics.

```
? begin engil

How in ENGINEERING (ENGI) Section (ENGI1) Database
COMPENDEX PLUS - 70-88/MAY
COPR.  ENGINEERING INFO INC.  1988)
? find superconduct?

     S1   18435  SUPERCONDUCT?

? find maglev or magnetic levitation

           255  MAGLEV
         87905  MAGNETIC
          1235  LEVITATION
           847  MAGNETIC LEVITATION
     S2    897  MAGLEV OR MAGNETIC LEVITATION

? find vehicle? or transportation

         34304  VEHICLE?
         25275  TRANSPORTATION
     S3  55941  VEHICLE? OR TRANSPORTATION

? find s1 and s2 and s3

         18435  S1
           892  S2
         55941  S3
     S4    113  S1 AND S2 AND S3

? type s4/medium/1-3

     TYPE 4/M/1

02574277   Monthly No: EI8803049211
  SUPERCONDUCTORS - NEAR-TERM APPLICATIONS AND MARKETS.
  Miska, Kurt H.
  Business Communications Co
  Source: Journal of Metals v 40 n 1 Jan 1988 p 14-15
  Publication Year: 1988
  CODEN: JOMTAA    ISSN: 0022-2674

     TYPE 4/M/2

02515378  Monthly No: EI8802017565
  MAGLEV APPROACHES TOWARD PRACTICAL USE.
  Tanaka, Hisahi
  Railway Technical Research Inst, Jrn
  Source: Japanese Railway Engineering v 27 n 1 Jun 1987 p 2-6
  Publication Year: 1987
  CODEN: JAREBT   ISSN: 0448-8938

     TYPE 4/M/3

0229865  Monthly No: EI8708081335
  ON THE FORCES DEVELOPED DURING OSCILLATIONS OF AN ELECTRODYNAMIC SUSPENSION.
  Kochetkov, V. M.; Matin, V. I.
  Source: Power  Engineering v 24 n 6 1986 p 147-150
  Publication Year: 1986
  CODEN: POENDL   ISSN: 0160-5216

? logoff
```

1. The "?" prompt tells you that the computer is ready for instructions.
2. Tell computer to "begin" in the database you wish to search.
3. Database response.
4. Use the "Find" command to enter term(s) for your first concept. The truncation symbol "?" is used to allow for variant forms of the word "superconductors."
5. Enter term(s) for second concept.
6. Enter term(s) for third concept.
7. Combine results of the three search statements by using the answer set numbers.
8. Tell the computer to display the results in the format you want (here we use the medium format.)
9. Enter the command "logoff" to exit the system.

SAMPLE SUBJECT SEARCH ON BRS/AFTER DARK

The commands you type in are shown in italics.

```
ENTER LIBRARY OR DATABASE LABEL--> insp

ENTER Y TO DISPLAY DATABASE DESCRIPTION OR
PRESS ENTER TO BEGIN SEARCHING-->

BRS/AFTER DARK      INSP     INSPEC 1977 - JUN 1988
ENTER SEARCH TERMS, COMMAND, OR H FOR HELP
SEARCH 1--> superconduct$

ANSWER 1    27,044   DOCUMENTS FOUND

ENTER SEARCH TERMS, COMMAND, OR H FOR HELP
SEARCH 2--> maglev or magnetic levitation

ANSWER 2    901   DOCUMENTS FOUND

ENTER SEARCH TERMS, COMMAND, OR H FOR HELP
SEARCH 3--> vehicle$ or transportation

ANSWER 3    21,108   DOCUMENTS FOUND

ENTER SEARCH TERMS, COMMAND, OR H FOR HELP
SEARCH 4--> 1 and 2 and 3

ANSWER 4    67   DOCUMENTS FOUND

ENTER SEARCH TERMS, COMMAND, OR H FOR HELP
SEARCH 5--> pc
ENTER ANSWER NUMBER-->4
ENTER TI (TITLE ONLY), S (SHORT FORMAT), M (MEDIUM FORMAT), L (LONG FORMAT)
TD (TAILORED DISPLAY)--> m
ENTER DOCUMENT NUMBERS--> 1-2

      1
AN B87079030.  8712.
AU Barwell-F-T.
TI The development of high-speed guided transport.  II.
SO Electr.  Veh.  Dev.  (GB).  vol 6, no 2, pp. 46-9, 12 refs. April 1987.
YR 1987.

      2
AN B87072508.  8711.
AU Nakashima-M.
TI The cryogenic system of a superconducting magnetically levitating
   vehicle.
SO Refrigeration (Japan), vol 62, no 713, pp. 300-6, 0 refs.  1987.
YR 1987.
-END OF DISPLAY REQUEST-

RETURNING TO SEARCH
ENTER SEARCH TERMS, COMMAND, OR H FOR HELP

SEARCH 5--> o
```

1. Enter four-letter label for database to be searched.
2. Press ENTER to begin searching.
3. Enter term(s) for first concept. The truncation symbol "$" is used to allow for variant forms of the word "superconductors."
4. Enter term(s) for second concept.
5. Enter term(s) for third concept.
6. Combine results of the three search statements by using the answer set numbers.
7. Tell the computer to print the results.
8. Enter the command "o" to exit the system.

SAMPLE AUTHOR AND PUBLICATION YEAR SEARCH ON KNOWLEDGE INDEX

The commands you type in are shown in italics.

```
? begin econ1

Now in ECONOMICS (ECON) Section (ECON1) Database
ECONOMICS LITERATURE INDEX-1969-87/DEC
? expand au=galbraith, john

Ref    Items  Index-term
E1         3  AU=GALBRAITH, JAMES K.
E2         2  AU=GALBRAITH, JAY R.
E3         0  AU=GALBRAITH, JOHN
E4        32  AU=GALBRAITH, JOHN KENNETH
E5         1  AU=GALBRAITH, JOHN S.
E6         2  AU=GALBRAITH, KARL D.
E7         1  AU=GALBRAITH, OLIVER, III
E8         1  AU=GALBRAITH, RICHARD A.
E9         1  AU=GALCHUS, KENNETH E.
E10        1  AU=GALE, B. T.
E11        2  AU=GALE, BRADELY T.
E12        1  AU=GALE, D.

                    For more, enter PAGE
? find e4

      S1      32  AU=GALBRAITH, JOHN KENNETH

? find s1 and py=1980:1985

            32  S1
          6640  PY=1980 : PY=1985

      S2       7  S1 AND PY=1980:1985
? type s3/medium/1-2

          TYPE 3/M/1

197607
The Dependence Effect
 Galbraith, John Kenneth
 1983, 1958, 425-30
 In: Business Ethics: Corporate Values and Society. Snoeyenbos, Milton;
   Almeder, Robert and Humber, James eds. Buffalo: Prometheus Books, 1983.

          TYPE 3/M/2

195204
Historical Process and the Rich
 Galbraith, John Kenneth
 1983, 65-82
 In: The Voice of the Poor: Essays in Economic and Political Persuasion.
   Galbraith, John Kenneth. Cambridge, Mass., and London: Harvard University
   Press, 1983.

? logoff
```

1. Database is selected.

2. The "Expand" command is used to look at the index; this allows all forms of the name to be found. The author's name is preceded by the "AU=" prefix.

3. The reference number that matches is selected. More than one number can be selected if appropriate. Use dashes for continuous numbers (e5-e7) or commas for separated numbers (e2,e5,e7-e9.)

4. The search is limited to just those documents in 1980-1985. To limit by year, combine the answer set and the prefix "PY=" followed by the first year, a colon, and the last year.

5. The computer is instructed to print the results.

6. Enter the command "logoff" to exit the system.

SAMPLE AUTHOR AND PUBLICATION YEAR SEARCH ON BRS/AFTER DARK

The commands you type in are shown in italics.

```
ENTER LABEL OR PRESS ENTER FOR MORE--> mags

      MAGS  AUG 1988

      ENTER Y TO DISPLAY DATABASE DESCRIPTION OR
      PRESS ENTER TO BEGIN SEARCHING-->

ENTER SEARCH TERMS, COMMAND, OR H FOR HELP
SEARCH  1--> st

ENTER WORD STEM: safire-w

R1    SAFIRE-WILIAM                          2 DOCUMENTS
R2    SAFIRE-WILLIAM                       548 DOCUMENTS
R3    SAFIRE-WILLIAM-L                       3 DOCUMENTS

-END OF R-NUMBER LIST-
ENTER R-NUMBERS OF TERMS TO BE INCLUDED IN YOUR SEARCH (E.G. R1
OR R1,R3 OR R2-R5) OR ENTER 'DONE'--> r1-r3

ANSWER  1    553  DOCUMENTS FOUND

ENTER SEARCH TERMS, COMMAND, OR H FOR HELP
SEARCH  2--> 1 and 85025.pd.

ANSWER  2    3  DOCUMENTS FOUND

ENTER SEARCH TERMS, COMMAND, OR H FOR HELP
SEARCH  3--> pc

ENTER ANSWER NUMBER-->2

ENTER TI (TITLE ONLY), S (SHORT FORMAT), M (MEDIUM FORMAT),
L (LONG FORMAT), TD (TAILORED DISPLAY)--> s

ENTER DOCUMENT NUMBERS--> 1-3

      1
AN 626656.  8509.
TI What lie implies.  (column).
AU Safire-William.
SO New York Times Magazine (NYTIA), Feb 17, 1985, p16(2).

      2
AN 626638.  8509.
TI The boffin speaks.  (column).
AU Safire-William.
SO New York Times Magazine (NYTIA), Feb 3, 1985, p11(2).

      3
AN 626634.  8509.
TI Vigilante.  (column).
AU Safire-William.
SO New York Times Magazine (NYTIA), Feb 10, 1985, p9(2).

END OF DOCUMENTS IN LIST
ENTER SEARCH TERMS, COMMAND, OR H FOR HELP
SEARCH  3--> o
```

1. Database is selected.
2. Press ENTER to begin searching.
3. The letters "st" tell the computer to display the index; this allows all forms of the name to be found. Enter just as much of the author's name as you are certain of, then pick from the list that is shown.
4. Appropriate names are selected from the list by using the "R" numbers to the left.
5. The search is limited to February of 1985 by combining the answer set with the publication date code followed by ".pd." (The date is truncated to allow for any day in the month of February.)
6. The computer is instructed to print the results.
7. Enter the command "o" to exit the system.

SAMPLE SEARCH LIMITING TO ENGLISH LANGUAGE ON KNOWLEDGE INDEX

The commands you type in are shown in italics.

```
? begin engi1

How in ENGINEERING (ENGI) Section (ENGI1) Database
COMPENDEX PLUS - 70-88/MAY
COPR. ENGINEERING INFO INC. 1988

? find cement or concrete

         12687  CEMENT
         34856  CONCRETE
     S1  42820  CEMENT OR CONCRETE
? find corrosion

     S2  48041  CORROSION
? find s1 and s2

         42820  S1
         48041  S2
     S3   1909  S1 AND S2
? find s3 and la=english

          1909  S3
       2097798  LA-ENGLISH
     S4   1572  S3 AND LA-ENGLISH

? type 4/m/1-2

 7/3/1
02614810   Monthly No: EIM8807-042897
  ADHESION TESTING OF POLYMER MODIFIED CEMENT MORTARS.
  Peier, W. H.
  SIKA Ltd, Zurich, Switz
  Conference  Title: Adhesion Between Polymers and Concrete, Proceedings of an International
Symposium.
  Conference  Location:  Aix-en-Provence,  Fr   Conference  Date:  1986 Sep 16-19
  E.I. Conference No.: 11125
  Source:  Publ  by  Chapman  &  Hall, London, Engl and New York, NY, USA p730-740
  Publication Year: 1986
  ISBN: 0-412-29050-2

 7/3/2
02614791   Monthly No: EIM8807-042878
  ADHESION  OF  RESIN CONCRETES TO REINFORCING STEEL IN REINFORCED CONCRETE ELEMENTS.
  Fiertak, M.; Broniewski, T.
  Politechnika Krakowska, Cracow, Pol
  Conference  Title: Adhesion Between Polymers and Concrete, Proceedings of an International
Symposium.
  Conference  Location:  Aix-en-Provence,  Fr   Conference  Date:  1986 Sep 16-19
  E.I. Conference No.: 11125
  Source:  Publ  by  Chapman  &  Hall, London, Engl and New York, NY, USA p 509-517
  Publication Year: 1986
  ISBN: 0-412-29050-2

? logoff
```

1. Database is selected.
2. Terms are entered for concepts used in the search.
3. Set numbers are combined to get an answer set.
4. The answer set is limited to English language documents by combining the set numbers and the name of the language preceded by the "LA=" prefix.
5. The computer is instructed to display the results.
6. Enter the command "logoff" to exit the system.

SAMPLE SEARCH LIMITING TO ENGLISH LANGUAGE ON BRS/AFTER DARK

The commands you type in are shown in italics.

```
ENTER DATABASE LABEL--> biol

      BIOL  BIOSIS PREVIEWS 78-8/88

      ENTER Y TO DISPLAY DATABASE DESCRIPTION OR
      PRESS ENTER TO BEGIN SEARCHING-->

ENTER SEARCH TERMS, COMMAND, OR H FOR HELP
SEARCH  1--> iq or intelligence quotient

ANSWER  1     2,189 DOCUMENTS FOUND

ENTER SEARCH TERMS, COMMAND, OR H FOR HELP
SEARCH  2--> diet.ti. or nutrition$.ti.

ANSWER  2     26,322 DOCUMENTS FOUND

ENTER SEARCH TERMS, COMMAND, OR H FOR HELP
SEARCH  3--> 1 and 2

ANSWER  3     30 DOCUMENTS FOUND

ENTER SEARCH TERMS, COMMAND, OR H FOR HELP
SEARCH  4--> 3 and en.lg.

ANSWER  4     30 DOCUMENTS FOUND

ENTER SEARCH TERMS, COMMAND, OR H FOR HELP
SEARCH  5--> p

ENTER ANSWER NUMBER--> 4

     ENTER TI (TITLE ONLY), S (SHORT FORMAT), M (MEDIUM FORMAT),
     L (LONG FORMAT), TD (TAILORED DISPLAY) --> m

ENTER DOCUMENT NUMBERS--> 1-3

       1
AN 34049248. 8803.
AU JOHNSTON-F-E.  LOW-S-M.  DE-BAESSA-Y.  MACVEAN-R-B.
TI INTERACTION OF NUTRITIONAL AND SOCIOECONOMIC STATUS AS
   DETERMINANTS OF COGNITIVE DEVELOPMENT IN DISADVANTAGED URBAN
   GUATEMALAN CHILDREN.
SO SYMPOSIUM ON CHILDHOOD NUTRITION AND GROWTH AND DEVELOPMENT
   HELD AT THE 55TH ANNUAL MEETING OF THE AMERICAN ASSOCIATION OF
   PHYSICAL ANTHROPOLOGISTS, ALBUQUERQUE, NEW MEXICO, USA, APRIL 1986.
   AM J PHYS ANTHROPOL. 73 (4). 1987. 501-506.

       2
AN 34014320. 8801.
AU NAUGHTEN-E-R.  KIELY-B.  SAUL-I.  MURPHY-D.
TI PHENYLKETONURIA OUTCOME AND PROBLEMS IN A DIET-FOR-LIFE CLINIC.
SO EUR J PEDIATR.  146 (SUPPL. 1). 1987. A23-A24.

       3
AN 34014318. 8801.
AU KOCH-R.  AZEN-C-G.  HURST-H.  FRIEDMAN-E-G.  FISHLER-K.
TI THE EFFECTS OF DIET DISCONTINUATION IN CHILDREN WITH PHENYLKETONURIA.
SO EUR J PEDIATR.  146 (SUPPL. 1). 1987. A12-A16.

-END OF DISPLAY REQUEST-
RETURNING TO SEARCH
ENTER SEARCH TERMS, COMMAND, OR H FOR HELP
SEARCH  5--> o
```

1. Database is selected.
2. Press ENTER to begin searching.
3. Terms are entered for concepts used in the search.
4. Set numbers are combined to get an answer set.
5. The answer set is limited to English language documents by typing the two-letter code for English followed by ".lg."
6. The computer is instructed to print the results.
7. Enter the command "o" to exit the system.

ELECTRONIC PUBLICATIONS CENTER DATABASES

This appendix gives short descriptions of the most commonly used databases. There are detailed database description sheets for all available databases at the Reference/Information Desk.

The databases in this appendix are grouped by the following subject areas:

BUSINESS	page 16
EDUCATION	page 17
HUMANITIES	page 18
LIFE SCIENCES	page 19
MEDICINE	page 20
NEWS	page 21
REFERENCE	page 22
SCIENCE AND TECHNOLOGY	page 23
SOCIAL SCIENCES	page 24-25

If you are not sure which database is most appropriate for your topic, consult the staff at the Reference/Information Desk.

BUSINESS

ABI/Inform — **BRS Label: INFO**
1971-Date — **Monthly Updates** — **KI Label: BUSI1**

Available for searching on CD-ROM.
Thesauri are located on Index Table 4 and at the Electronic Publications Center.

ABI/Inform covers every aspect of business. Abstracts of articles appearing in more than 600 business and management periodicals are included. There is no printed equivalent.

Compact Disclosure — **BRS Label: not available**
Last 5 years — **Quarterly Updates** — **KI Label: not available**

Available for searching on CD-ROM.

Compact Disclosure includes up-to-date information on public companies extracted from annual reports, 10-Ks, etc.

Economic Literature Index — **KI Label: ECON1**
1969-Date — **Quarterly Updates**

The Economic Literature Index cites articles from 260 economic journals and approximately 200 books per year. Nearly 25% of the records include abstracts. The database corresponds to the index section of the Journal of Economic Literature and to the annual Index of Economic Articles, available on Index Table 4.

Management Contents — **BRS Label: MGMT**
1974-Date — **Monthly Updates**

Management Contents contains abstracts on all aspects of business management. Citations from over 500 journals are included, in addition to proceedings, books and course materials.

Trade and Industry Index — **KI Label: BUSI2**
1981-Date — **Monthly Updates**

Trade and Industry Index contains citations from over 300 trade, and industry journals, as well as 1,200 additional general publications and newswires. There is no printed equivalent.

For the Wall Street Journal, see National Newspaper Index, page 21.

EDUCATION

ERIC
1966-Date **Monthly Updates**

BRS Label: ERIC
KI Label: EDUC1

Available for searching on CD-ROM.

Thesauri are located on Index Table 5 and at the Electronic Publications Center.

The ERIC database is the largest source of education-related reports and journal articles. The database covers the entire spectrum of education and related issues. The printed equivalent can be found on Index Table 5.

HUMANITIES

America: History and Life **KI Label: ARTS2**
1973-Date **Semiannual Updates**

America: History and Life covers all aspects of U.S. and Canadian History. Journal articles are included along with some books and dissertations. Many records contain abstracts. The printed equivalent is located on Index Table 8.

Artbibliographies Modern **KI Label: ARTS1**
1974-Date **Semiannual Updates**

Artbibliographies Modern covers all aspects of art and design. Citations include books, exhibition catalogs, dissertations and over 300 journals. Full coverage of 19th and 20th century studies is provided. The printed equivalent is located in the Architecture and Art library.

Arts and Humanities Search **BRS Label: ACHI**
1980-Date **Biweekly Updates**

Arts and Humanities Search contains citations, including complete lists of cited references, for over 1,300 journals. Searches for citations to older works are possible regardless of the date of the original. The printed equivalent, Arts and Humanities Citation Index, is located on Index Table 1.

Historical Abstracts **KI Label: HIST2**
1973-Date **Three Updates Per Year**

Historical Abstracts covers the history of the world from 1450 to the present, excluding the U.S. and Canada. Articles are abstracted from more than 2,000 journals published in 90 countries in some 30 languages. The printed equivalent is located on Index Table 8.

MLA Bibliography **KI Label: LITS1**
1966-Date **Seven Updates Per Year**

Available for searching on CD-ROM (1981 - Date).

The MLA Bibliography is the largest and most comprehensive database covering modern languages, literature, linguistics, and folklore. Approximately 3000 journals are included, as well as some books. Literature coverage includes literary criticism, scholarly works, and original works annotated. The printed equivalent is located on Index Table 13.

LIFE SCIENCES

BIOSIS Previews **BRS Label: BIOZ**
1970-Date **Monthly Updates**

The BIOSIS database indexes information sources in biology and life sciences. Citations are to journals, books and government documents, as well as proceedings. The printed equivalent, Biological Abstracts, is located on Index Table 9.

MEDICINE

International Pharmaceutical Abstracts **BRS Label: IPAB**
1976-Date Monthly Updates **KI Label: MEDI4**

The International Pharmaceutical Abstracts is a comprehensive source of information on all aspects of pharmaceutical research and practice. Abstracts are provided for articles from pharmaceutical and related journals. The printed equivalent is located in the Pharmacy Library.

Medline **BRS Label: MESZ**
1966-Date Monthly Updates

Available for searching on CD-ROM.

Thesauri are located on Index Table 9 and at the Electronic Publications Center.

Medline is a comprehensive index for medical and health care information. 3,600 medical journals are included, as well as selected congresses and symposia. The printed equivalent, Index Medicus, is located on Index table 9.

NEWS

Magazine Index — **BRS Label: MAGS**
1959-Date — **Monthly Updates** — **KI Label: MAGA1**

Magazine Index indexes articles from over 400 general-interest magazines. Articles, editorials, product evaluations, recipes and reviews are included. The printed index is available on a microfilm reader near Index Table 1.

National Newspaper Index — **BRS Label: NOOZ**
1979-Date — **Monthly Updates** — **KI Label: NEWS1**

National Newspaper Index provides front-to-back indexing of the Christian Science Monitor, the New York Times and the Wall Street Journal. All articles, news reports, editorials, letters to the editor, obituaries, product evaluations, biographical pieces, poems, recipes, columns, cartoons, illustrations, and reviews are included. In addition, the National Newspaper Index indexes national and international news stories written by the staff writers of the Washington Post and the Los Angeles Times.

Newsearch — **BRS Label: DALY**
(latest 2-6 weeks) — **Daily Updates** — **KI Label: NEWS1**

Newsearch provides access to very current information. The index is updated daily with citations from over 370 popular and business U.S. magazines and newspapers. There is no printed equivalent.

Popular Magazine Review Online — **BRS Label: PMRO**
1984-Date — **Weekly Updates**

Popular Magazine Review Online is a weekly reference service that provides timely access to the latest popular U.S. periodical literature, with articles generally appearing within two weeks of the publication of the magazines. The file abstracts over 200 general, widely-read magazines.

REFERENCE

Dissertation Abstracts Online **BRS Label: DISS**
1861-Date **Monthly Updates** **KI Label: REFR5**

Lists virtually all doctoral dissertations completed in the United States from 1861 to the present. In addition, some foreign dissertations and masters' theses are also included. Abstracts have been included for U.S. dissertations since 1980. The printed equivalent can be found at Index Table 17.

GPO Monthly Catalog **BRS Label: GPOM**
1976-Date **Monthly Updates**

Available for searching on CD-ROM.

GPO Monthly Catalog indexes all government publications produced by the U.S. Government Printing Office. The printed equivalent is found on Index Table 19.

Index to U.S. Government Periodicals **BRS Label: GOVT**
1980-Date **Monthly Updates**

The Index to U.S. Government Periodicals indexes 185 titles from more than 100 government agencies. All periodicals published by the Federal Government that have material of lasting reference and research value are indexed. Letters, book reviews, interviews, press conferences and conference proceedings are also included. The printed equivalent is found on Index Table 19.

SCIENCE AND TECHNOLOGY

Computer Database **KI Label: COMP4**
1983-Date **Bi-Weekly Updates**

The Computer Database is a source of information on computers, telecommunications, and electronics. Citations from over 500 journals, as well as proceedings, transactions, courses, books, tabloids, newsletters, and product announcements are included. There is no printed equivalent.

Engineering Literature Index **KI Label: ENGI1**
1975-Date **Monthly Updates**

The Engineering Literature Index provides coverage of approximately 4,500 journals and selected reports and books. All aspects of engineering are covered. The printed equivalent, Engineering Index, is kept on Index Table 10.

Inspec **BRS Label: INSP**
1977-Date **Monthly Updates** **KI Label: COMP1**

Inspec covers the fields of physics, electrotechnology, computers and control, and information technology. Approximately 3,000 journals are indexed, some with abstracts. The Inspec database corresponds to the printed Physics Abstracts (Index Table 12), Electrical and Electronics Abstracts (Index Table 10), and Computer and Control Abstracts (Index Table 11).

Microcomputer Index **KI Label: COMP3**
1981-Date **Monthly Updates**

The Microcomputer Index contains citations on the use of microcomputers in business, education, and the home. Magazine articles, as well as software and hardware reviews, new product announcements, and book reviews, from over 40 periodicals are included. There is no printed equivalent.

Science Citation Index **BRS Label: not available**
1988-Date **Quarterly Updates** **KI Label: not available**

Available for searching on CD-ROM.

Science Citation Index is a multidisciplinary index to the literature of science and technology. Citations are taken from 2,600 major scientific and technical journals. Searches for current citations to older works are possible regardless of the date of the original. The printed equivalent is located on Index Table 2.

SOCIAL SCIENCES

Legal Resource Index **BRS Label: LAWS**
1980-Date **Monthly Updates** **KI Label: LEGA1**

The Legal Resource Index covers over 750 law reviews, bar association journals, and newspapers. Law-related items from the **Magazine Index** and **National Newspaper Index** are also included. The printed equivalent is located on Index Table 7.

PAIS International **BRS Label: PAIS**
1972-Date **Monthly Updates** **KI Label: SOCS2**

Available for searching on CD-ROM.

PAIS covers political science, economics, business and other social sciences with an emphasis on public issues and government policy. Fifteen percent of the records contain abstracts. The printed equivalent is located on Index Table 8.

PSYCINFO **BRS Label: PSYC**
1967-Date **Monthly Updates** **KI Label: PSYC1**

Available for searching on CD-ROM.

Thesauri are located on Index Table 6 and at the Electronic Publications Center.

PSYCINFO is the primary online resource for psychology and related disciplines. Included are over 1,300 journals as well as books, dissertations, and technical reports. Most citations include an abstract. The thesaurus and printed equivalent are located on Index Table 6.

Social Sciences Citation Index **BRS Label: SSCZ**
1972-Date **Monthly Updates**

The Social Sciences Citation Index covers social and behavioral sciences and related fields. Citations are taken from 1,500 core social science journals and 3,000 additional journals in related disciplines. Searches for current citations to older works are possible regardless of the date of the original. The printed equivalent is located on Index Table 2.

Social Work Abstracts **BRS Label: SWAB**
1977-Date **Monthly Updates**

The Social Work Abstracts database covers all aspects of Social Work. Included are abstracts of articles from approximately 100 social work journals, as well as dissertations, books, and other materials. The printed equivalent is located on Index Table 7.

Sociological Abstracts **BRS Label: SOCA**
1963-Date **Monthly Updates** **KI Label: SOCS1**

Available for searching on CD-ROM (1974-Date).

Sociological Abstracts is the primary online resource for sociology and related disciplines. This database contains records of journal articles, books, papers read at conventions and meetings, and other resources. The printed equivalent is located on Index Table 7.

KNOWLEDGE INDEX SUMMARY COMMAND SHEET

Search Commands

B	Begin a search
F	Find a word or phrase
E	Expand: to view the index terms
P	Page: to request next page of an index term list
T	Type: to see search results
R	Recap: to review search statements and answer sets
Logoff	Sign off the system
Help	To get help

Joining Search Concepts

OR	Combines related terms (addition)
AND	Combines different concepts (reduction)
NOT	Eliminates a concept

Printing Formats

S	Titles only
M	Author, title, journal issue, date
L	Complete record

Field Qualifiers

Commonly used field qualifiers are given here. To determine which field qualifiers are available in the database you are using, consult the printed documentation for the database.

AU=	author	/ti	title
JN=	journal	/de	descriptor
PY=	year	/ab	abstract
LA=	language		

Examples:

AU=Galbraith, J? **computers/de,ti**

Truncation

Use the "?" ending to search various word endings simultaneously

market? **AU=Smith, j?**

BRS/AFTER DARK COMMAND SUMMARY SHEET

Search Commands

H	Help
S	Search
PC	Print continuously
R	Review search strategy
C	Change databases
O	Sign off the system
SORT	Arrange documents in order by author, source, year, etc.
ST	Stem - Lists all of the endings of a root word

Joining Search Concepts

OR	Combines related terms (addition)
AND	Combines different concepts (reduction)
SAME	Finds both terms in same field (proximity)
WITH	Finds both terms in same sentence (proximity)
NOT	Eliminates a concept

Printing Formats

TI	Titles only
S	Short: author, title, journal issue, date
M	Medium: short format plus subject headings
L	Long: complete record
TD	Tailored display: specify fields

Field Qualifiers

Commonly used field qualifiers are given here. To determine which field qualifiers are available in the database you are using, consult the printed documentation for the database.

.ti.	Title	.ab.	Abstract
.au.	Author	.lg.	Language
.de.	Descriptor	.yr.	Year
.so.	Source (journal title in most cases)		

Examples:

computers.de,ti. **Galbraith-j$.au.**

Truncation

Use the "$" ending to search various word endings simultaneously.

market$** **Smith-j$.au.

SOURCES FOR FURTHER READING

Use these books to acquire more knowledge of online searching.

Basics of Online Searching.
ANSTAK Z699.3.M395

BRS/After Dark User's Manual.
Available at the Reference/Information Desk

Effective Online Searching: A Basic Text.
ANSTAK Z699.B629 1984

An Introduction to Online Searching.
ANSTAK Z699.L473 1985

Knowledge Index: User's Workbook.
Available at the Reference/Information Desk

Online Searching: A Primer.
ANSTAK Z699.F38 1984

Online Searching: The Basics.
ANSTAK Z699.3.O55 1984